

Page 1

The list of best scores is:

[illegible]

[illegible]

Sequence 3, Application US/09784340
GENERAL INFORMATION:
APPLICANT: Wei, Ming-hui et al.
TITLE OF INVENTION: ISOLATED HUMAN DRUG-M
TITLE OF INVENTION: PROTEINS, NUCLEIC AC
TITLE OF INVENTION: DRUG-METABOLIZING PR
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: CL000763
CURRENT APPLICATION NUMBER: US/09/784,340
CURRENT FILING DATE: 2001-02-16
NUMBER OF SEQ. ID NOS: 5
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 3

```

LENGTH: 21000
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(21000)
OTHER INFORMATION: n = A,T,C or G

Initial Score      = 277
Residue Identity   = 100%
Gaps               = 0
Optimized Score    = 277
Matches            = 277
Conservative Substitutions = 0
Significance        = 0.23
Mismatch          = 0
Mismatches         = 0

```

CAACCTA	CTTGA	CTTGT	CTTGTGG	AGATTC	GCAC	TCTA	AAAC	CTGCC	AAAC	CTTTG	CC	TAA	AGAA	TG	GGAA	AT
920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080
TTGTG	CGAG	TTG	CGAGG	GA	ATG	GTAT	GTG	GTG	TTT	CT	CTG	GGG	GT	CA	CTG	TTT
990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150
GAAAG	CGCT	TA	TAT	TC	ATT	GT	CTT	C	AG	CCCT	T	GG	CC	CA	AG	T
1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220
AAAC	AT	CC	CA	CT	CA	TT	AG	AG	CC	CA	AT	TA	CT	CG	CT	GT
1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290
AAAC	CA	AA	CT	TT	TA	TC	CA	CT	CA	CT	CA	CT	CA	CT	CA	CT
GTGG	AG	TT	CC	AT	TT	CC	AT	TT	CC	AT	TT	CC	AT	TT	CC	AT
1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440
ATA	AC	TT	CA	AA	CT	TA	AT	GA	CA	CA	CG	AA	GA	TT	TA	CT
1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510
AA	AG	AG	AT	GT	TA	GT	AG	AT	T	TA	CA	AA	AT	T	CA	CA
1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750
TG	AT	CG	AG	TT	GC	AT	GC	CG	CC	C	A	CA	AA	GA	GC	CA
2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920
TG	AT	CG	AG	TT</												

TGACCTTCATATGCTGATTCCTGCTGTTTGACACAAACATGATGTAAGAAGTAATAAATTC
 2000 2010 2020 2030 2040 2050 2060
 ACAAAATTCAGTAAACACACAAATCAATGAGCATCTTATGACATTAGCTTGTATGAGTAACATATGAT
 2070 2080 2090 2100 2110
 TTTTCCTTTTCAATTTAAATAGCCCTTCTACATACCAGCATTAATGATCTC

3. US-09-784-340-1 (1-2759)

18102-18321 Sequence 3, Application US/09784340

Sequence 3, Application US/09784340

GENERAL INFORMATION:

APPLICANT: WEI, Ming-Hui et al.

TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING

TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN

TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,

FILE REFERENCE: C1000763

CURRENT APPLICATION NUMBER: US/09/784,340

CURRENT FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 5

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 3

LENGTH: 21000

TYPE: DNA

ORGANISM: Human

NAME/KEY: misc-feature

LOCATION: (1)...(21000)

OTHER INFORMATION: n = A,T,C or G

Initial Score = 220 Optimized Score = 220 Significance = -0.01
 Residue Identity = 100% Matches = 220 Mismatches = 0
 Gaps = 0 Conservative Substitutions = 0

TATGACGAGCTAACACAGCAATGACCTTTCTGGAAAGTAATAATTCATGCTTTTCTTCCCA

CTTCTGATTCAGGATTAACGATATCATTTTGGAGAGATTATATGTAAGCATTAAGAGCCACATAC

770 780 790 800 810 820 830

ATTATGAGACTGTGGGAAAGCTGAGATATGCTAATACGAACATATTGGGATTTTGAATTTCTCAACC

840 850 860 870 880 890 900

ATACCAACCTAATCTTATGATTTGTTGGAGATTGCACTGTAACCTGCCAAAGCTTGCCTAAGAAATGGA

910 920 930 940 950 960 970 980

AAATTTTGTCCAGATTCAGGGGAGAGATGTTATTTGCTTTCTGGGGTCACCTTTCAAAATGTTAC

990 1000 1010 1020 1030 1040 1050

AGAGAAAGAGCTAATATCATTTGCTTACGCCCTTGCCAGATCCCAAGAGGTTATGAGGTACAAAGG

1060 1070 1080 1090 1100 1110 1120 X

AAAAAACCATCCACATTTAGAGCCATTAATCTCGGCTTATGATTTGATACCCAGATGATTTCTTGTCGA

1130 1140 1150 1160 1170 1180 1190

TCCCAAAACCAAGCTTTTATCTACTCTATGTTGGAATGATGGAATCTATATTAACATGGGGTCCC

1200 1210 1220 1230 1240 1250 1260

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1270 1280 1290 1300 1310 1320 1330

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1340 1350 1360 1370 1380 1390 1400

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1410 1420 1430 1440 1450 1460 1470

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1480 1490 1500 1510 1520 1530 1540

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1550 1560 1570 1580 1590 1600 1610

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1620 1630 1640 1650 1660 1670 1680

TATGAGGAGGTTCCCATATTTGTTGATGCTTGAATACATAGCTGATGAAGGCCAAAGGAGCCTGT

1270 1280 1290 1300 1310 1320 1330 X

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

1340 1350 1360 1370 1380 1390 1400

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

1410 1420 1430 1440 1450 1460 1470

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

1480 1490 1500 1510 1520 1530 1540

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1550 1560 1570 1580 1590 1600 1610

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1620 1630 1640 1650 1660 1670 1680

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1690 1700 1710 1720 1730 1740 1750

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2040 2050 2060 2070 2080 2090 2100

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2110 2120 2130 2140 2150 2160 2170

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2180 2190 2200 2210 2220 2230 2240

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2250 2260 2270 2280 2290 2300 2310

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2320 2330 2340 2350 2360 2370 2380

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2460 2470 2480 2490 2500 2510 2520

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2670 2680 2690 2700 2710 2720 2730

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2740 2750 2760 2770 2780 2790 2800

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

2810 2820 2830 2840 2850 2860 2870

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

2880 2890 2900 2910 2920 2930 2940

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

2950 2960 2970 2980 2990 3000 3010

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

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3090 3100 3110 3120 3130 3140 3150

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3160 3170 3180 3190 3200 3210 3220

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3230 3240 3250 3260 3270 3280 3290

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

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3370 3380 3390 3400 3410 3420 3430

AGAAATTAACCTTCAAACTATGACAGCAGAAATTTACTAGAGGCTTTGAGAGACATATACGATCTTC

Sequence 3, Application US/09784340
GENERAL INFORMATION:
APPLICANT: WEI, Ming-Hui et al.

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